IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOV 1 5 2001

In re Patent Application of

von BORSTEL et al

Serial No. 09/964,514

Filed: September 28, 2001

For: ACYLATED URIDINE AND CYTIDINE AND USES

THEREOF

November 15, 2001

Atty. Ref.: 1331-353

Group:

Examiner:

Assistant Commissioner for Patents Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

Attached is a completed Form PTO-1449 listing references in connection with this application. Also enclosed is a copy of each of those references.

The Examiner is requested to initial the attached PTO-1449, and to return a copy of the initialed document to the undersigned as an indication that the listed references have been considered and made of record.

Respectfully submitted,"

NIXON & VANDERHYE P.C.

By:

eghard C. Mitchard

Reg. No. 29,009

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1100 North Glebe Road, 8th Floor

Arlington, VA 22201-4714 Telephone: (703) 816-4000 Facsimile: (703) 816-4100

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AMINER			J.S. PATENT DOCUMENTS		2 2	FILIA	E PATE		
VITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBO	IF APP	O BATE		
	3,585,188	6/1971	Marumoto et al						
	3,868,451	2/1975	Stein et al						
	3,975,367	8/1976	Gish; et al						
	3,991,045	11/1976	Ishida et al		<u> </u>				
	4,022,963	5/1977	Deutsh						
	4,868,162	9/1989	Kawaguchi et al				_		
	3,847,898	11/1974	Kelly et al						
	3,894,000	7/1975	Wechter et al						
	4,868,162	9/1989	Kawaguchi et al						
	6.258,795	7/2001	von Borstel et al						
		FC	REIGN PATENT DOCUMENTS						
	DOOLUATAT	D.4.TE	COUNTRY	01.400	CLIDOL ACC		SLATION		
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO		
	2 147 094	5/1973	Germany			<u> </u>	X		
	1 297 398	11/1972	Great Britain		 		- -		
	1 473 148	5/1977	Great Britain		<u> </u>		+		
	51-19779		Japan				X		
	52-23085		Japan		1		X		
	58-49315		Japan			<u> </u>	X		
	57-91995		Japan				X		
	55-24150		Japan				X		
	60-174797	7/1000	Japan EP			<u> </u>	X		
	0 056 265 B1	7/1982	EP	· · · · · · · · · · · · · · · · · · ·		 	X		
	0 178 217	4/1986					X		
	0 222 192 A2	5/1987	EP		 		+		
						L			
			including Author, Title, Date, Pe			5/5/10	270)		
	Ensminger et al, "Thymidine 5'-O-Pivaloate" Biochemical Pharmacology, Vol. 28, pp. 1541-1545 (1979). Martin et al, "Synthesis and Antiviral Activity," Journal of Pharmaceutical Sciences, Vol. 76, No. 2, pp. 180-								
1	184 (1987).	and And	nai Activity, Journal of Friannac	Jediloai Golerice	3, 401. 70, 1	10. 2, p	p. 100		
	Hackh'(s) Chemical Dictionary, 3 rd Ed., pp. 44-5 and 332-333.								
			an Chemical Society, Vol. 74, No. 2	21, p. 433 (197 ⁻	1).				
			an Chemical Society, Vol. 92, No.						
			an Chemical Society, Vol. 87, No. 2						
	Aussedat, J., "Effect of 151 (1983).	f uridine su	pply on glycogen resynthesis," Ca	rdiovascular Re	esearch, Vol	. 17, pr	o. 145- 		
	Aussedat et al, "Uridine Incorporation in Normal," Molecular Physiology, Vol. 6, pp. 247-256 (1984).								
	Buckley et al, "Effects of Nucleosides on Acute Left," Circulation Research, Vol. VII, pp. 847-857 (1959).								
Kuznetsova et al, Farmakol-Toksikol, Vol. 2, pp. 170-173 (1981).									
	Kypson et al, "Effects op. 545-565 (1978).	of Uridine of	on the Performance" Journal of N	Nolecular and C	ellular Cardi	ology,	Vol. 10		
	Meerson et al, Kardiol								
	Rossi et al, "Pyrimidine 155-162 (1984).	e nucleotid	e metabolism in cardiac hypertrop	hy," European ŀ	Heart Journa	ıl, Vol.	5, pp.		

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			TECH						
/ INFORMATION DISCLOSHE	ATTY. DOCKET NO.	SERIAL NO.	S × 10						
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		r, Title, Date, Pertinent page	es, etc.)						
		upplement 2, Vol. 6, Aust. N.2							
		cular and Cellular Cardiology							
Meerson et al, Kardiologiv									
Rossi et al, "Pyrimidine nu	ucleotide metabolism in	," European Heart Journal, Vo	ol. 5, pp. 155-162 (1984).						
		lement 2, Vol. 6, Aust. N.Z.J.							
		," Proc. Natl. Acad. Sci. USA,							
			/ol. 26, pp. 1585-1591 (1977).						
		," Pharm. Ed. Sci., Vol. 40, p							
		cose," The Journal of Pharn	nacology and Experimental						
Therapeutics, Vol. 199, N			1004)						
		ience, Vol. 213, pp. 777-778 (
			l, Vol. 17, pp. 236-240 (1986).						
		n," Biochim. Biophys. Acta, \							
	Bushma et al, "Effect of Cytidine and Uridine," Bull. Exp. Biol. Med., Vol. 88, pp. 1480-1483 (1980). Chernukh et al, "Effect of liver RNA on the course," Bull. Exp. Biol. Med., Vol. 70, pp. 1112-1114 (1970).								
Diamondstone et al "Diffe	Diamondstone et al, "Differential Response of Inducible," Biochim. Biophys. Acta., pp. 583-587 (1962).								
Firick et al. "Influence of (Elrick et al, "Influence of Certain Nucleosides," Metabolism, Vol. Xi, No. 1, pp. 46-55 (1962)								
	Yamada et al, "Pyrimidine Nucleoside Phosphorylases of Rat Liver," The Journal of Biological Chemistry, Vol.								
	243, No. 7, Issue of April 10, pp. 1649-1655 (1968).								
Shah et al, "Wound healir	Shah et al, "Wound healing and repair," J. Anim. Morphol. Physiol., Vol. 25, No. 1 and 2, pp. 193-200 (1978).								
Shah et al, "Wound healir	Shah et al, "Wound healing and repair," J. Anim. Morphol. Physiol., Vol. 21, No. 2, pp. 132-139 (1974).								
	Songu et al, "The Relationship Between Uracil Nucleotide," Metabolism, Vol. 30, No. 2, pp. 119-122 (1981).								
	Germanyuk et al, Garmakol. Tokksikol, Vol. 45, No. 1, pp. 50-52 (1979).								
	Trovarelli et al, "The influence of cytidine on the endogenous pool," Neurochemical Research, Vol. 9, No. 1,								
pp. 73-78 (1984).			450 450 (4075)						
		Applied Pharmacology, Vol. 3							
	Geiger et al, "Cytidine and Uridine Requirement," Journal of Neurochemistry, Vol. 1, pp. 93-100 (1956). Sepe, O., "Efficacia dell'associazione citidina-uridina," Minerva Medica, pp. 5934-5940.								
		erva Medica, pp. 2092-2108.	34-3940.						
			. (Vol. 42) pp. 367-369 (1977).						
		Chem. Pharm. Bull., Vol. 15, N							
		," Bull. Acad. Sci. USSR Div							
1306-1310 (1981).	no it riyaroxyouooniiinaa	, 24	опоши оси тои ос, рр						
	fache Methode zur selek	tiven," Agnew. Chem., Vol. 7	8, Jahrg. 1966 / Nr. 11.						
Reese et al. "2'-O-acyl Ril	Reese et al. "2'-O-acyl Ribonucleoside Derivatives," Tetrahedron Letters, No. 29, pp. 2459-2465 (1965).								
Chemical Abstracts, The	Chemical Abstracts, The American Chemical Society, Vol. 105, No. 13, p. 456 (1986).								
		asic Res. in Cardiol. Vol. 81, j							
Schwartz et al, "Evaluatio No. 7, pp. 998-1001 (198	` ' '	sters," Antimicrobial Agents	and Chemotherapy, Vol. 31,						
		cer Treatment Reports, Vol. 6							
	Martin et al, "Use of oral uridine as a substitute," Cancer Chemother Pharmacol, Vol. 24, pp. 9-14 *1989). Casida et al, "3',5'-Diesters of 5-fluoro," Biochemical Pharmacology, Vol. 15, pp. 627-644 (1966).								
Casida et al, "3',5'-Diester	rs of 5-fluoro," Biochem	ical Pharmacology, Vol. 15, p	p. 627-644 (1966).						
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*Examiner		Date Considered							

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